

10/585487
2-20-09

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number
WO 2005/066444 A1

(51) International Patent Classification⁷: E06B 1/38, 3/66

(21) International Application Number:
PCT/DK2005/000008

(22) International Filing Date: 10 January 2005 (10.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04388003.8 9 January 2004 (09.01.2004) EP
04388015.2 5 March 2004 (05.03.2004) EP

(71) Applicant (for all designated States except US): FIBER-
LINE A/S [DK/DK]; Nr. Bjertvej 88, DK-6000 Kolding
(DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PETERSEN, Lars
[DK/DK]; Strankhøj 3, DK-6000 Kolding (DK).

(74) Agent: NIELSEN, Henrik, Sten; Budde, Schou & Osten-
feld A/S, DK-1601 Copenhagen V (DK).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

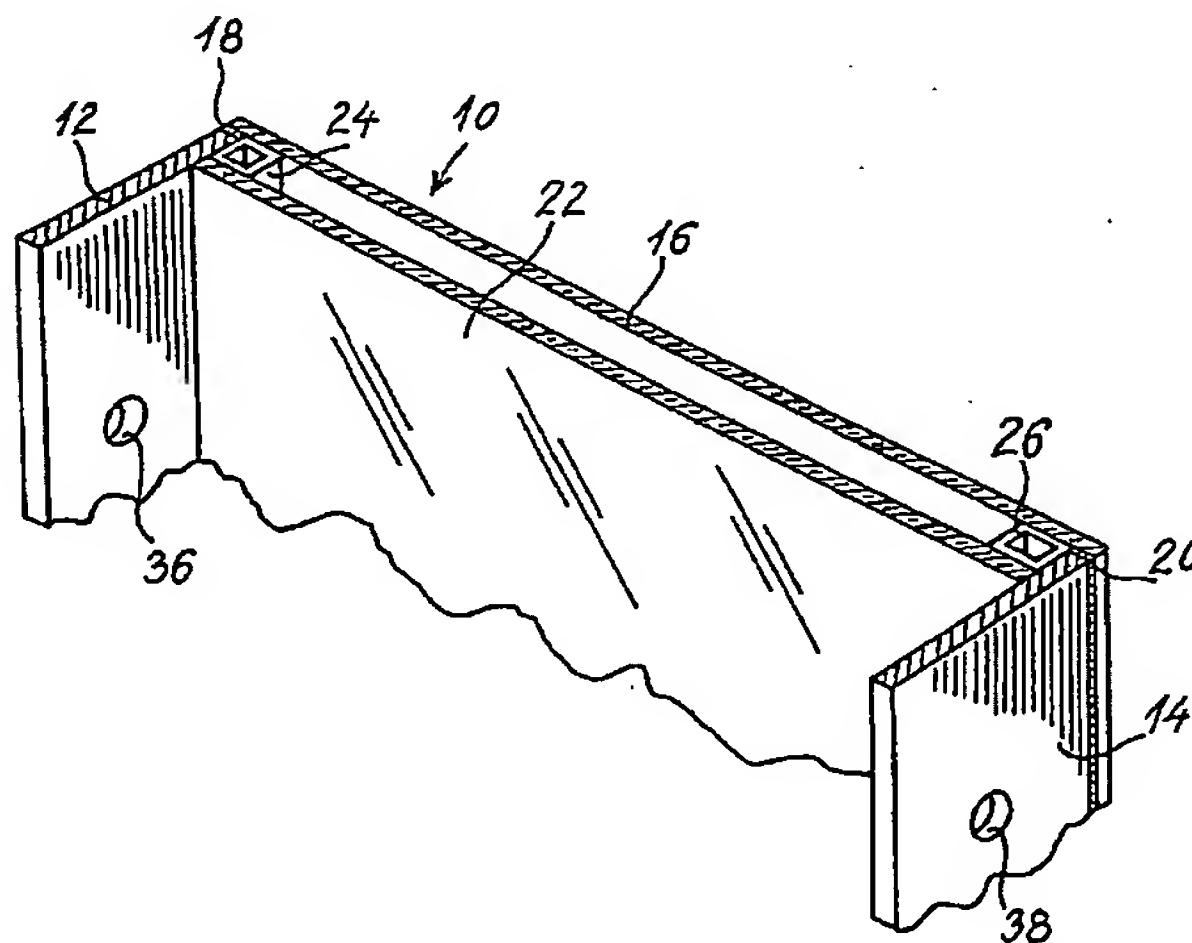
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A BUILDING OR WINDOW ELEMENT AND A METHOD OF PRODUCING A BUILDING



(57) Abstract: A building element comprises a glass panel defining an outer circumferential rim including at least two rectilinear segments, a first one of which defines a first length and a second one of which defines a second length. The glass panel is made of hardened glass and has a specific coefficient of thermal expansion. The building element further comprises a first pultruded element having a length corresponding to the first length, and a second pultruded element having a length corresponding to the second length. The first and second pultruded elements are adhered in a high strength integral adhesion to the hardened glass panel along the first and second rectilinear segments, respectively, and the pultruded elements have a content of reinforcing fibres for providing a coefficient of thermal expansion of the pultruded elements substantially corresponding to the specific coefficient of thermal expansion.

WO 2005/066444 A1